

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046008.D
 Acq On : 30 Apr 2025 19:10
 Operator : JC/MD
 Sample : Q1913-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-13-A-202504

Quant Time: May 01 07:57:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

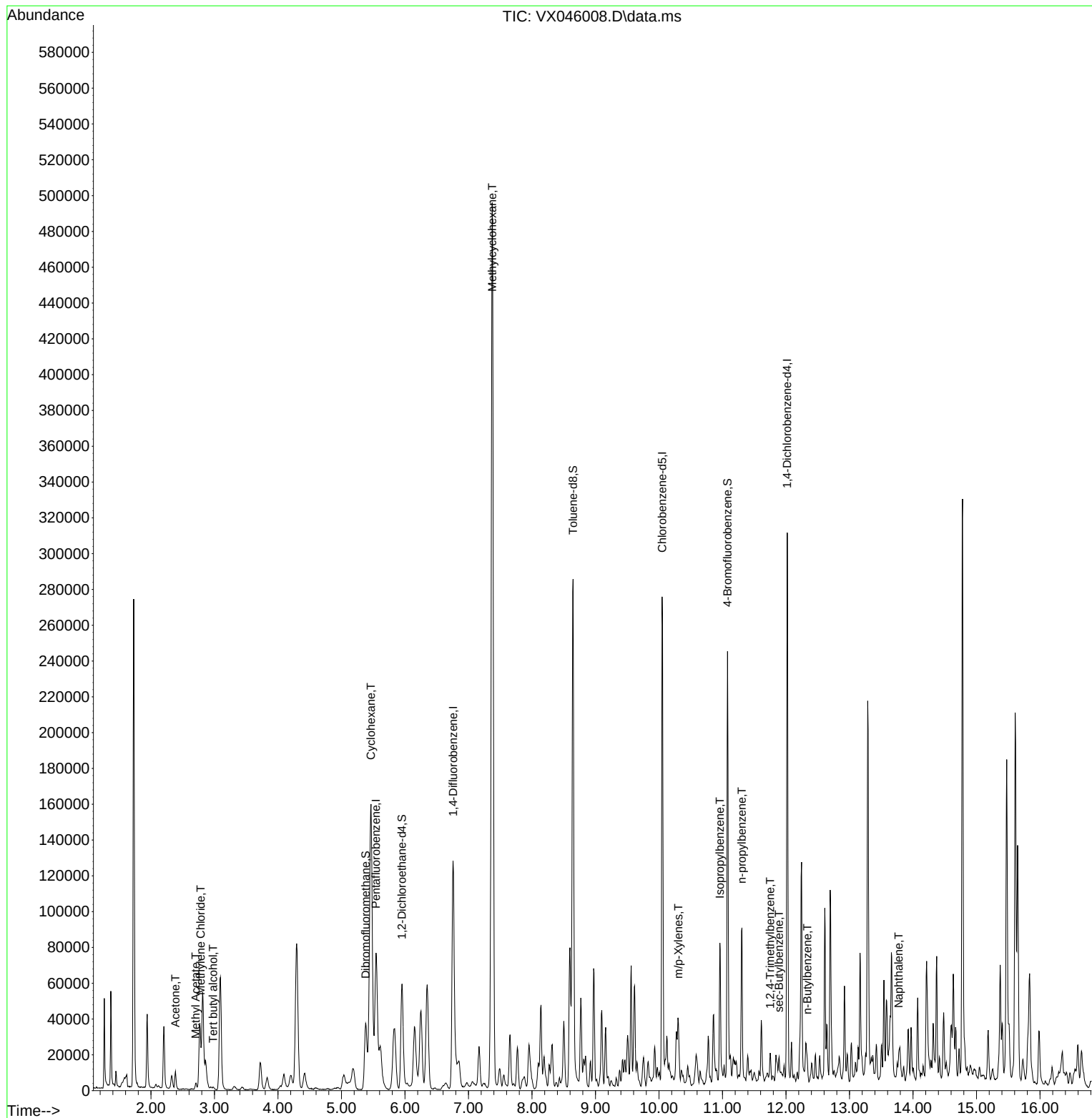
Internal Standards						
1) Pentafluorobenzene	5.544	168	65498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60711	50.686	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.380%	
35) Dibromofluoromethane	5.379	113	30412	34.525	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 69.060%#	
50) Toluene-d8	8.647	98	154136	50.133	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	11.079	95	63509	56.709	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	1970	12.238	ug/l #	72
16) Acetone	2.386	43	10385	21.114	ug/l	93
18) Methyl Acetate	2.703	43	4058	3.584	ug/l	95
20) Methylene Chloride	2.782	84	1379	1.498	ug/l #	79
31) Cyclohexane	5.465	56	108074	73.554	ug/l	98
39) Methylcyclohexane	7.373	83	207181	142.109	ug/l	94
68) m/p-Xylenes	10.305	106	4656	2.882	ug/l	94
73) Isopropylbenzene	10.957	105	37722	8.447	ug/l	99
78) n-propylbenzene	11.305	91	51648	10.041	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	6573	1.774	ug/l	99
85) sec-Butylbenzene	11.890	105	5005	1.115	ug/l	93
89) n-Butylbenzene	12.335	91	5838	1.819	ug/l #	72
95) Naphthalene	13.774	128	9930	2.567	ug/l #	89

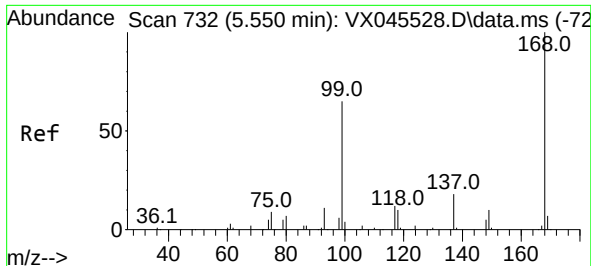
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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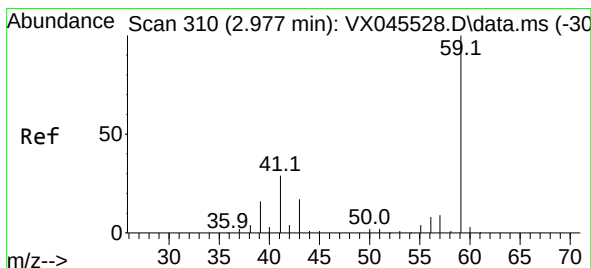
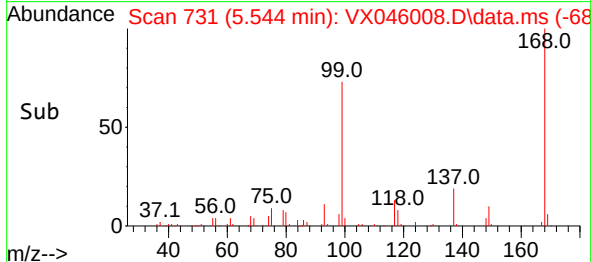
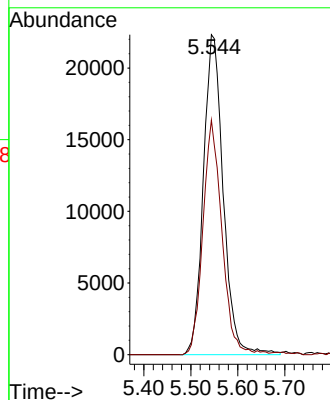
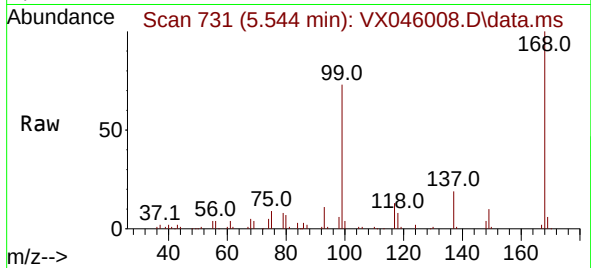




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

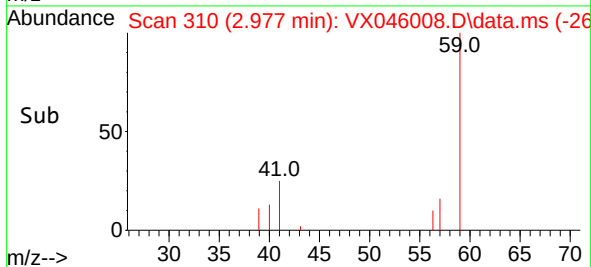
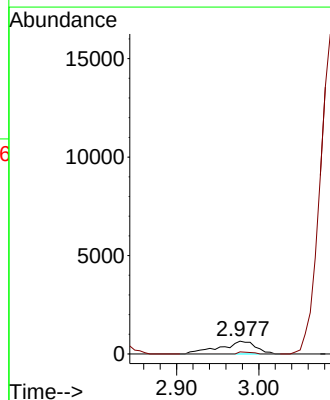
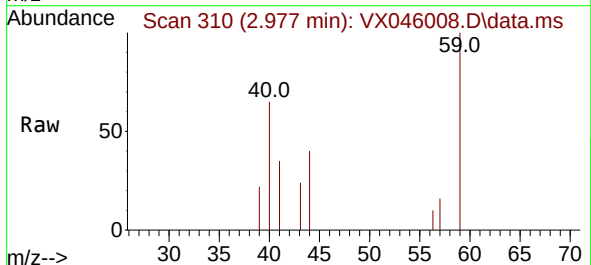
Instrument :
MSVOA_X
ClientSampleId :
WC-13-A-202504

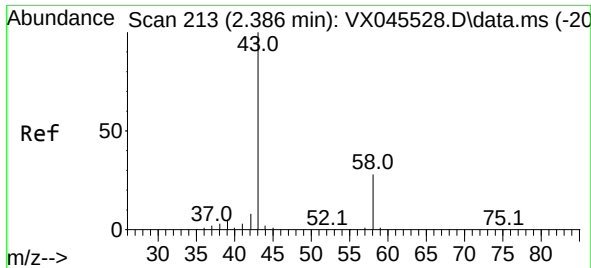
Tgt Ion:168 Resp: 65498
Ion Ratio Lower Upper
168 100
99 73.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 12.238 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion: 59 Resp: 1970
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

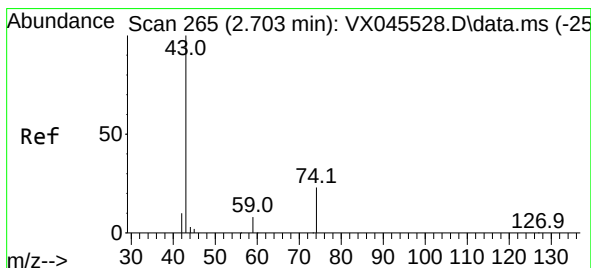
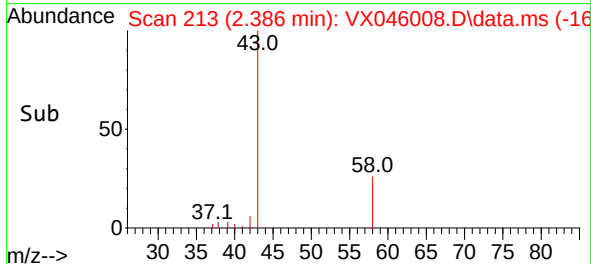
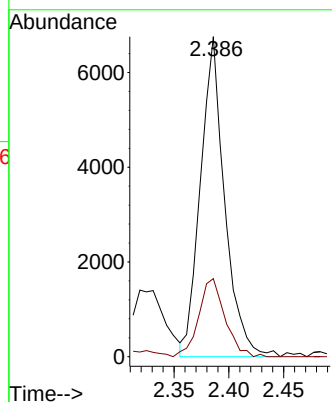
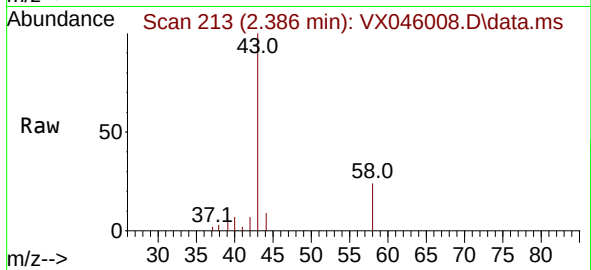




#16
Acetone
Concen: 21.114 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

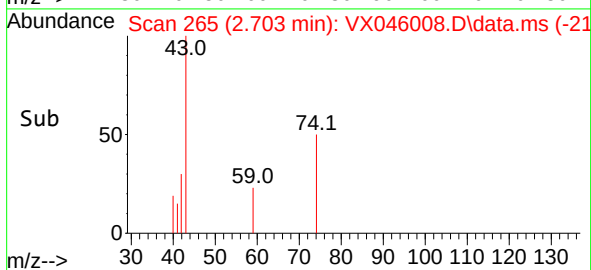
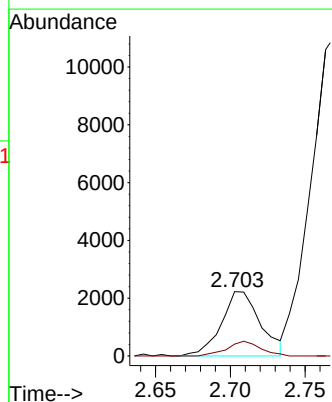
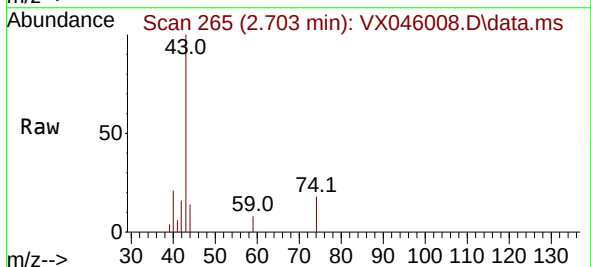
Instrument :
MSVOA_X
ClientSampleId :
WC-13-A-202504

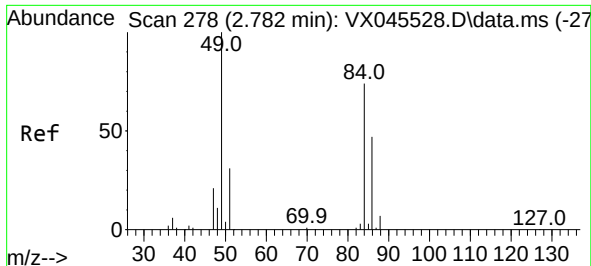
Tgt Ion: 43 Resp: 10385
Ion Ratio Lower Upper
43 100
58 24.4 22.3 33.5



#18
Methyl Acetate
Concen: 3.584 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion: 43 Resp: 4058
Ion Ratio Lower Upper
43 100
74 19.4 17.5 26.3

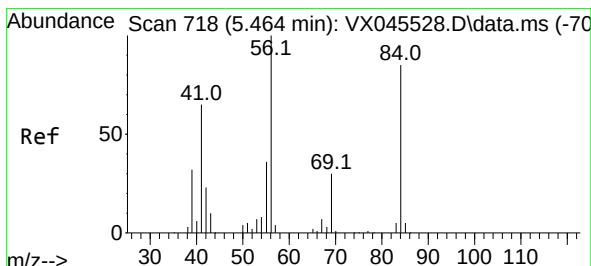
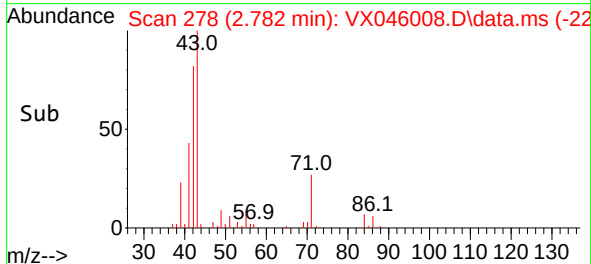
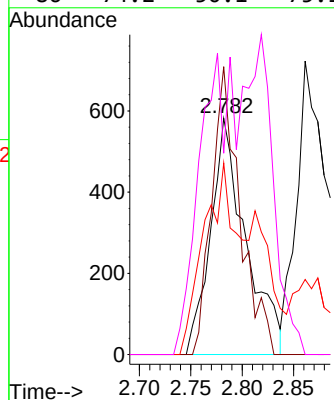
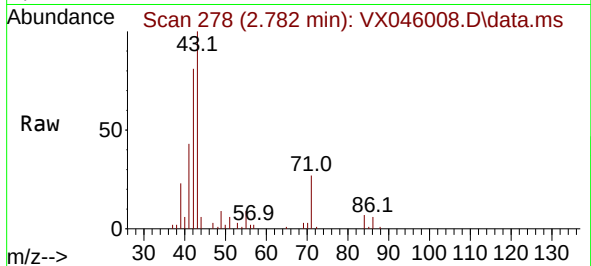




#20
Methylene Chloride
Concen: 1.498 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

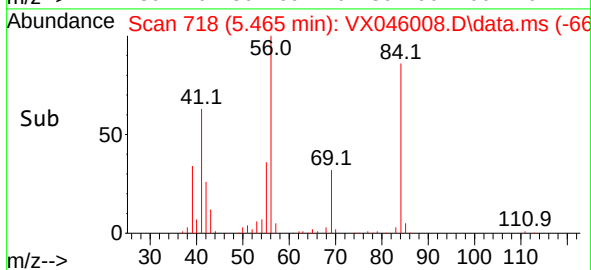
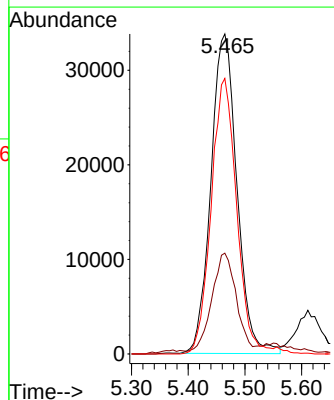
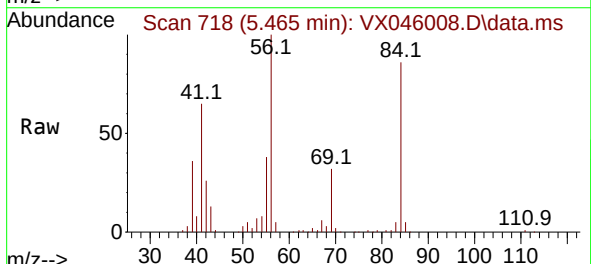
Instrument :
MSVOA_X
ClientSampleId :
WC-13-A-202504

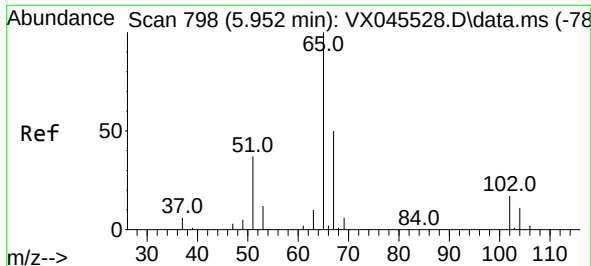
Tgt Ion:	84	Resp:	1379
Ion	Ratio	Lower	Upper
84	100		
49	121.8	107.5	161.3
51	81.1	33.0	49.6#
86	74.2	50.1	75.1



#31
Cyclohexane
Concen: 73.554 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion:	56	Resp:	108074
Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.6	35.4
84	86.3	67.7	101.5

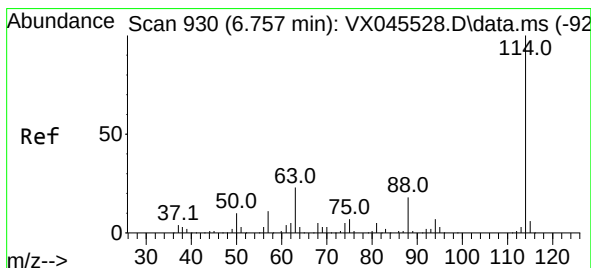
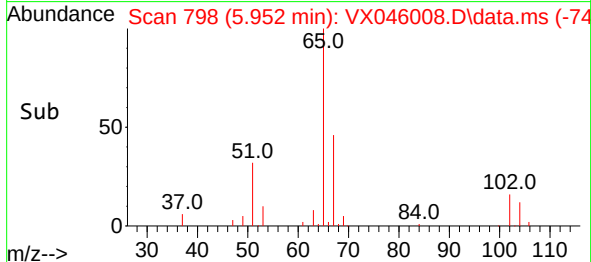
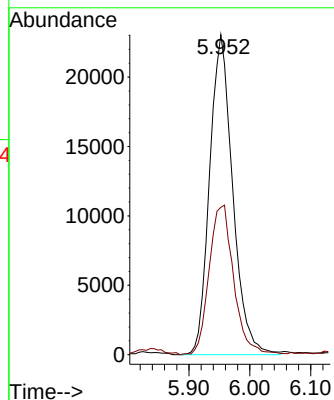
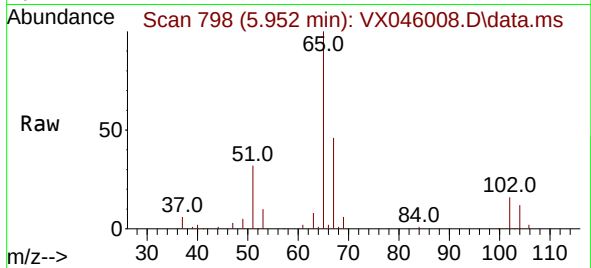




#33
 1,2-Dichloroethane-d4
 Concen: 50.686 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046008.D
 Acq: 30 Apr 2025 19:10

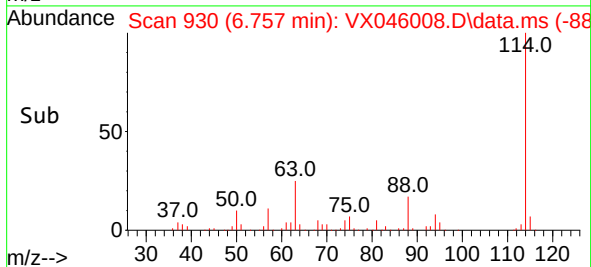
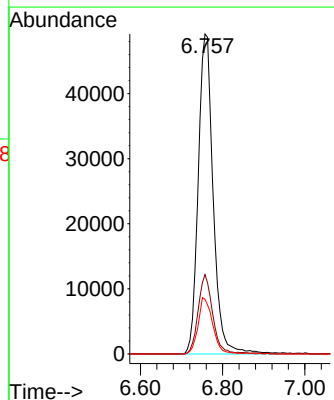
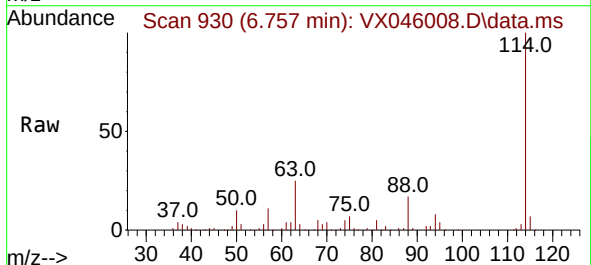
Instrument :
 MSVOA_X
 ClientSampleId :
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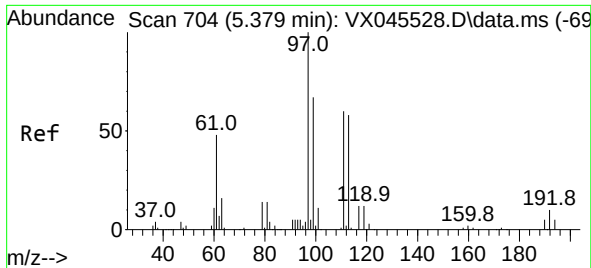
Tgt Ion: 65 Resp: 60711
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046008.D
 Acq: 30 Apr 2025 19:10

Tgt Ion: 114 Resp: 124153
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 46.8
 88 17.1 0.0 35.4

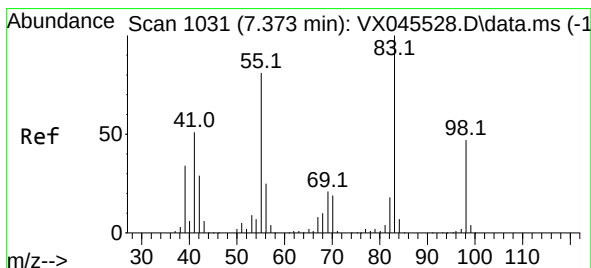
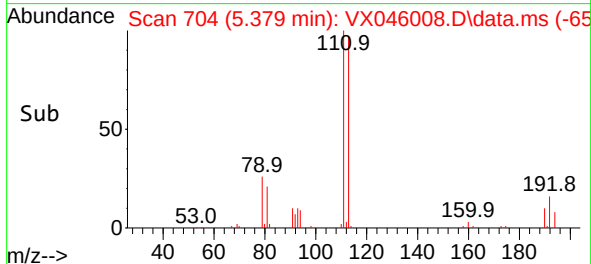
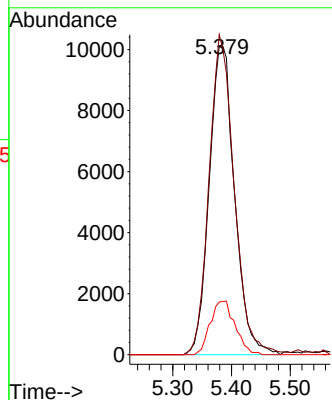
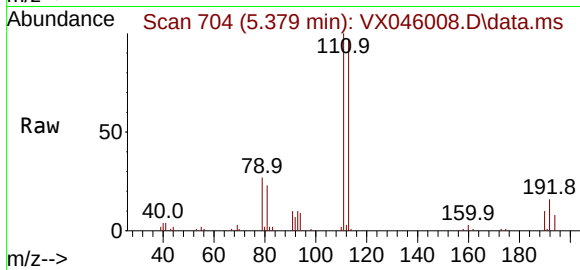




#35
Dibromofluoromethane
Concen: 34.525 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

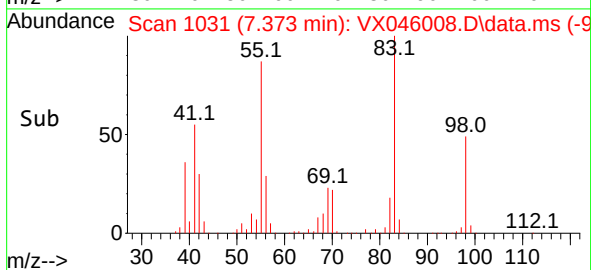
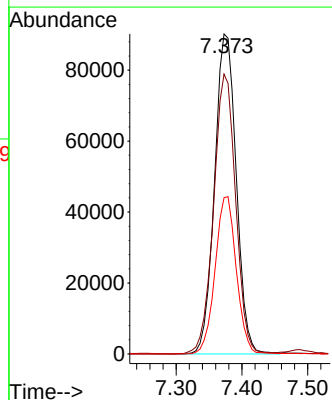
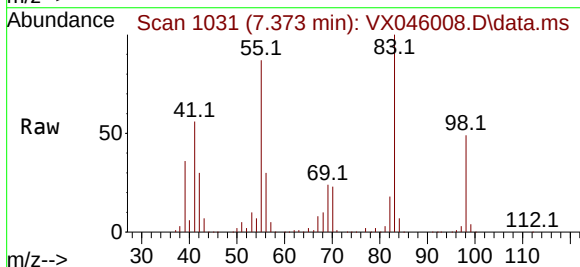
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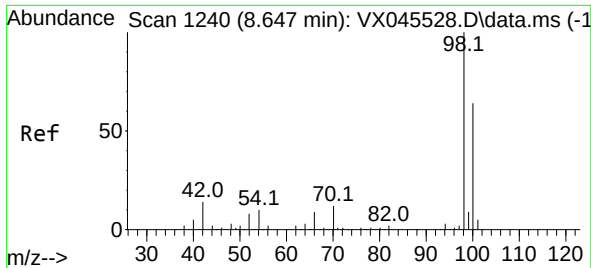
Tgt Ion:	113	Resp:	30412
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.0	13.8	20.6



#39
Methylcyclohexane
Concen: 142.109 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion:	83	Resp:	207181
Ion	Ratio	Lower	Upper
83	100		
55	87.3	64.9	97.3
98	48.9	37.4	56.0

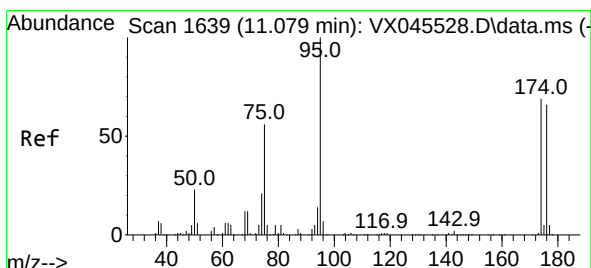
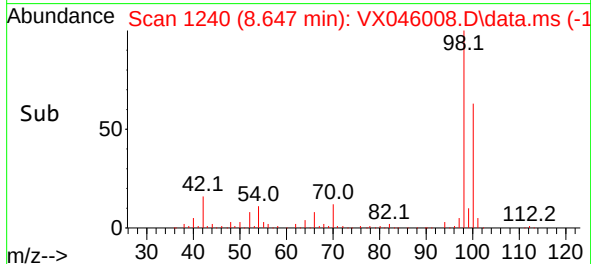
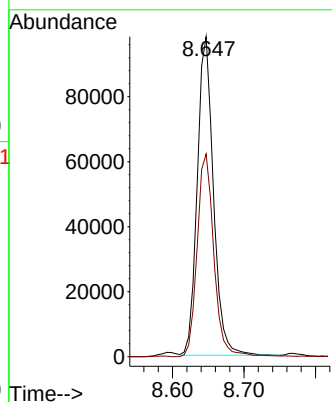
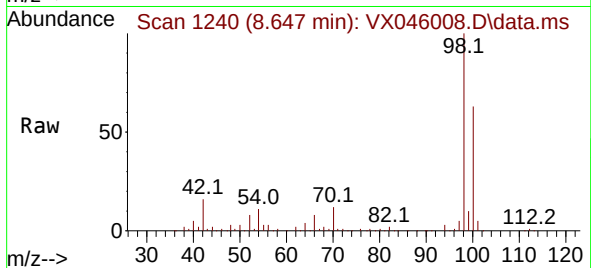




#50
Toluene-d8
Concen: 50.133 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

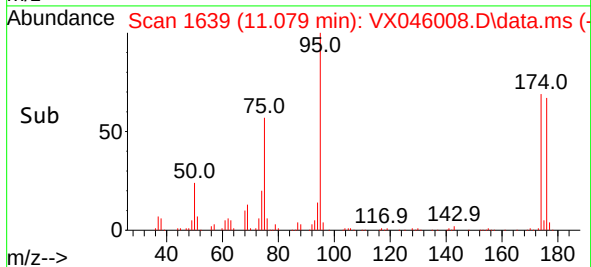
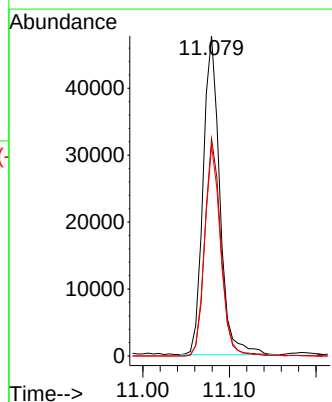
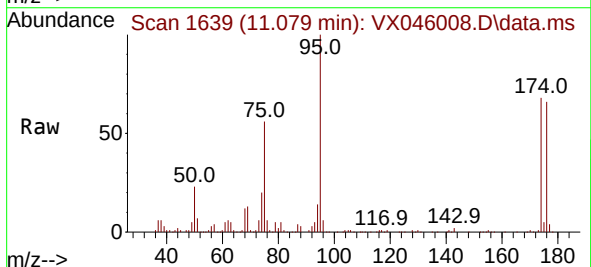
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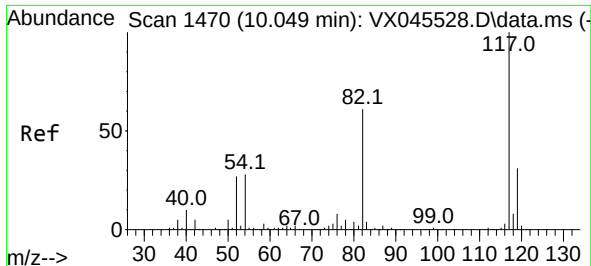
Tgt Ion: 98 Resp: 154136
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 56.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion: 95 Resp: 63509
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.8
176 63.6 0.0 131.4

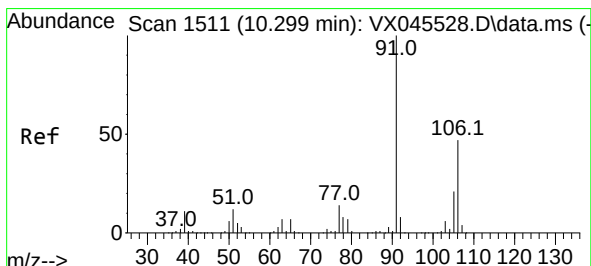
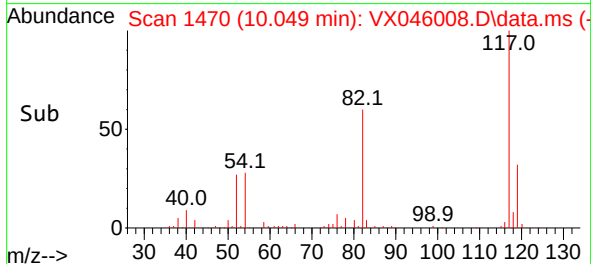
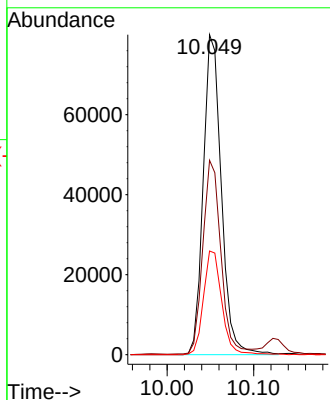
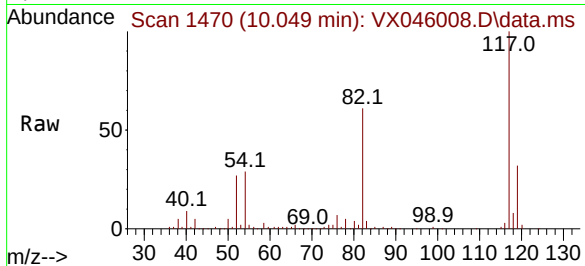




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

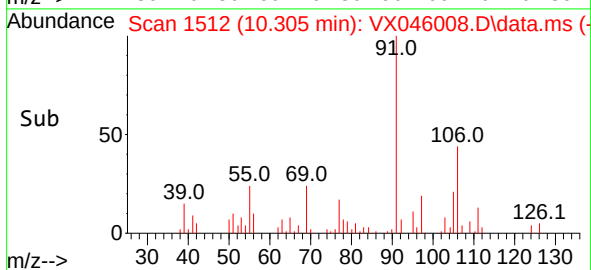
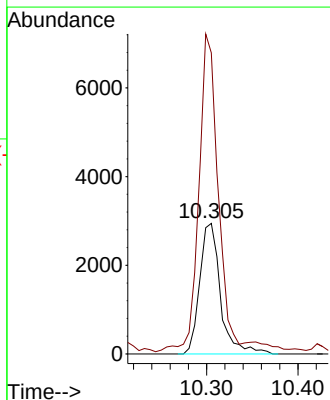
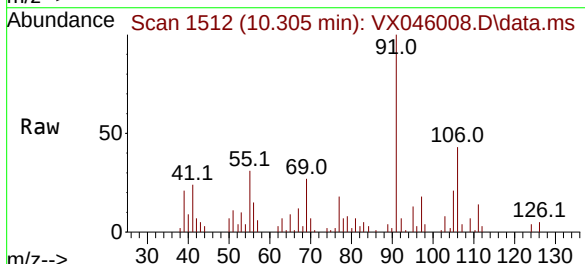
Instrument :
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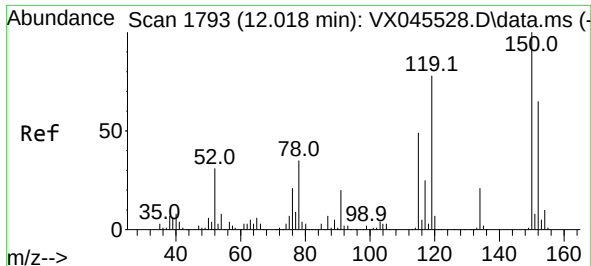
Tgt Ion:117 Resp: 116068
Ion Ratio Lower Upper
117 100
82 60.5 49.2 73.8
119 32.4 25.1 37.7



#68
m/p-Xylenes
Concen: 2.882 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion:106 Resp: 4656
Ion Ratio Lower Upper
106 100
91 225.7 172.6 258.8

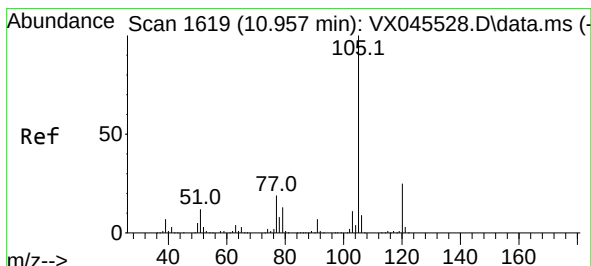
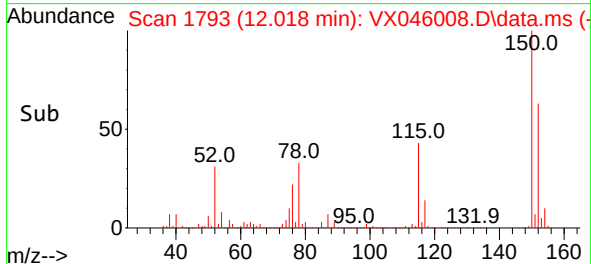
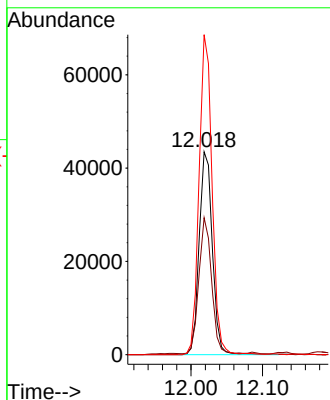
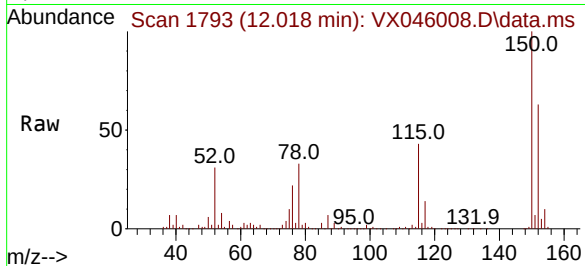




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

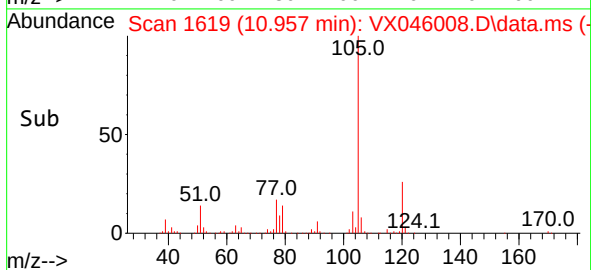
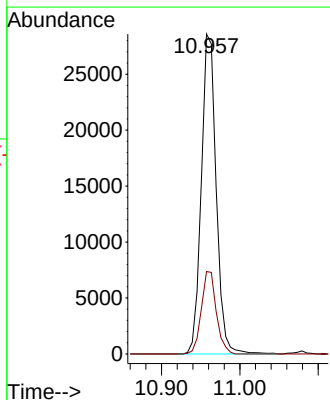
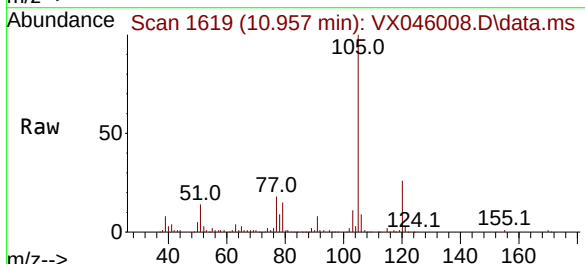
Instrument :
MSVOA_X
ClientSampleId :
WC-13-A-202504

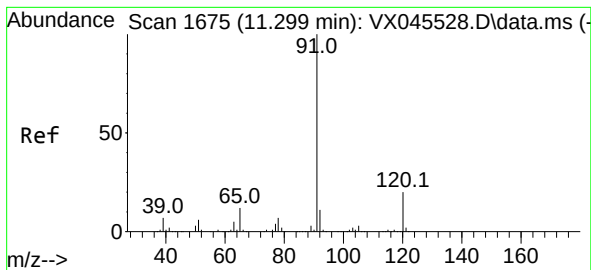
Tgt Ion:152 Resp: 55748
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 154.5 0.0 349.4



#73
Isopropylbenzene
Concen: 8.447 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046008.D
Acq: 30 Apr 2025 19:10

Tgt Ion:105 Resp: 37722
Ion Ratio Lower Upper
105 100
120 25.9 12.7 38.0





#78

n-propylbenzene

Concen: 10.041 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046008.D

Acq: 30 Apr 2025 19:10

Instrument :

MSVOA_X

ClientSampleId :

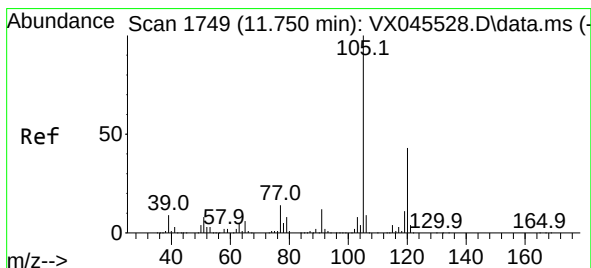
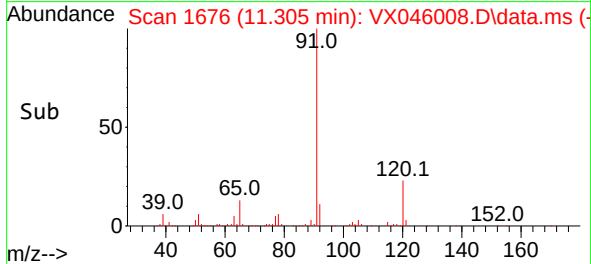
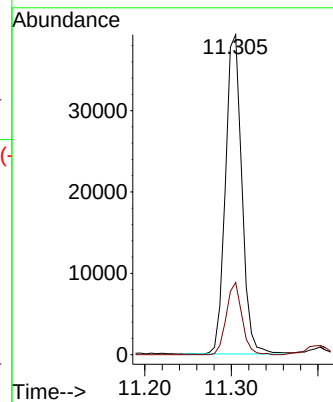
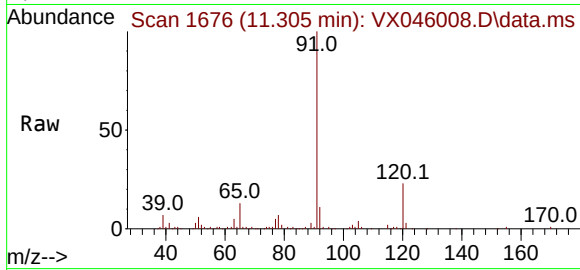
WC-13-A-202504

Tgt Ion: 91 Resp: 51648

Ion Ratio Lower Upper

91 100

120 21.6 10.8 32.3



#84

1,2,4-Trimethylbenzene

Concen: 1.774 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046008.D

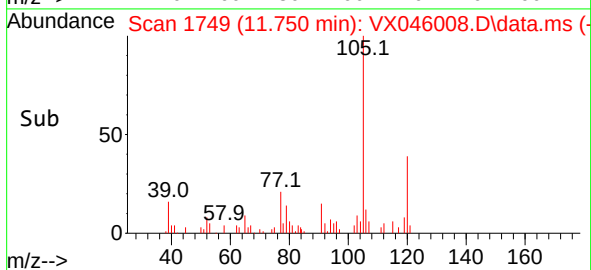
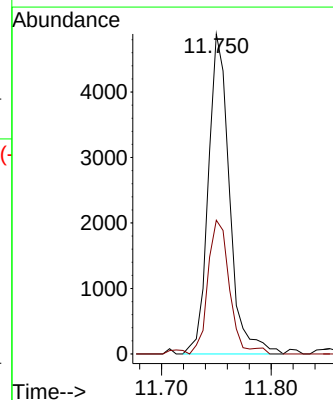
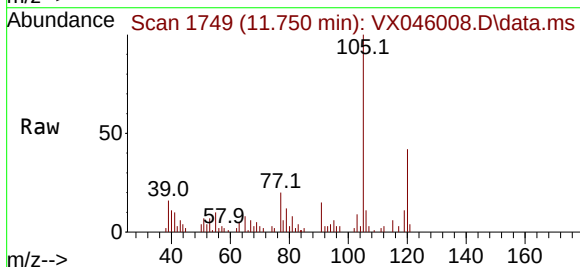
Acq: 30 Apr 2025 19:10

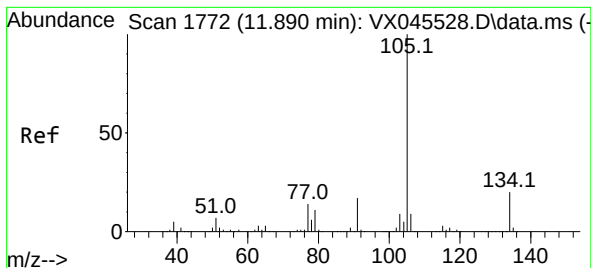
Tgt Ion: 105 Resp: 6573

Ion Ratio Lower Upper

105 100

120 42.3 21.4 64.3





#85

sec-Butylbenzene

Concen: 1.115 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046008.D

Acq: 30 Apr 2025 19:10

Instrument :

MSVOA_X

ClientSampleId :

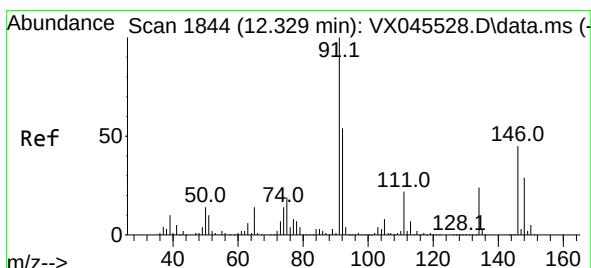
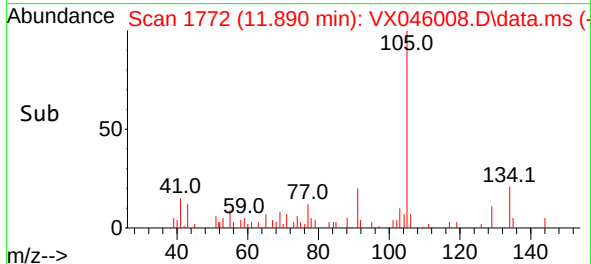
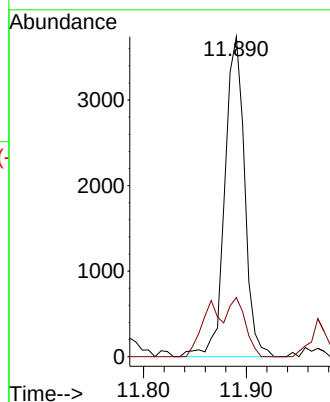
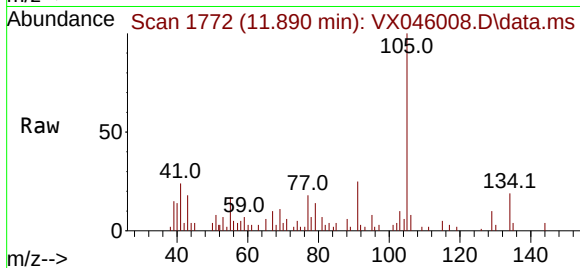
WC-13-A-202504

Tgt Ion:105 Resp: 5005

Ion Ratio Lower Upper

105 100

134 15.7 9.6 28.6



#89

n-Butylbenzene

Concen: 1.819 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX046008.D

Acq: 30 Apr 2025 19:10

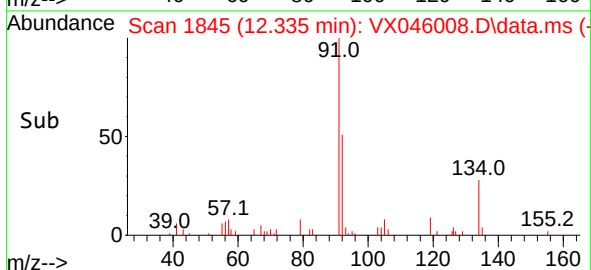
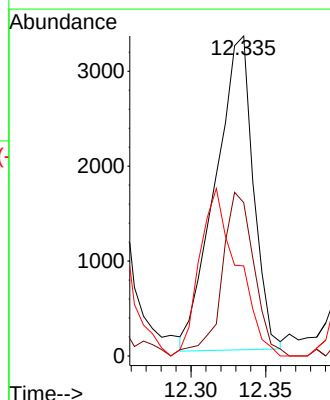
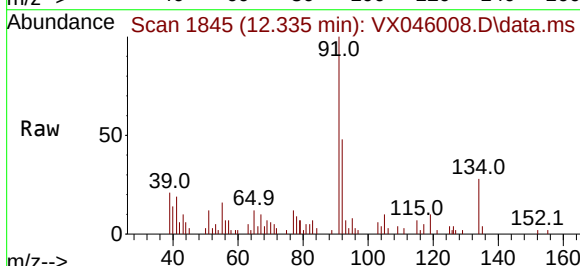
Tgt Ion: 91 Resp: 5838

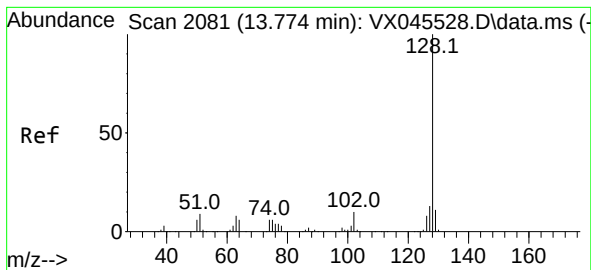
Ion Ratio Lower Upper

91 100

92 44.3 26.9 80.6

134 53.3 11.9 35.7#





#95

Naphthalene

Concen: 2.567 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX046008.D

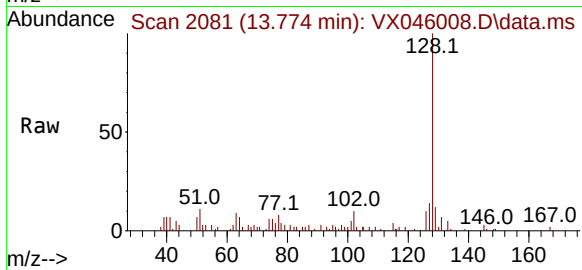
Acq: 30 Apr 2025 19:10

Instrument :

MSVOA_X

ClientSampleId :

WC-13-A-202504



Tgt Ion:	128	Resp:	9930
Ion	Ratio	Lower	Upper
128	100		
127	17.5	10.3	15.5#
129	14.9	8.6	12.8#

